IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An apparatus for controlling call admission, comprising:

a call admission check unit which determines whether to admit a call in response to reception of the call based on a threshold, ~~that reflect history of base station transmission power~~ the determination being made by comparing a value associated with past samples of base station transmission power with the threshold while taking into account transmission power required for the call.

2. (Original) The apparatus as claimed in claim 1, further comprising

an averaging unit which obtains an average of past samples of the base station transmission power, wherein said call admission check unit determines whether to admit the call by comparing the threshold with a sum of the average of past samples and transmission power required for the call.

3. (Original) The apparatus as claimed in claim 1, further comprising

an averaging unit which obtains a median of past samples of the base station transmission power, wherein said call admission check unit determines whether to admit the call by comparing the threshold with a sum of the median of past samples and transmission power required for the call.

4. (Original) The apparatus as claimed in claim 2, further comprising

a packet-switching-call-proportion estimating unit which estimates a proportion of packet switching calls in a total number of calls based on past samples of the base station transmission power, wherein the threshold reflects the estimated proportion.

5. (Original) The apparatus as claimed in claim 4, wherein said packet-switching-call-proportion estimating unit measures a volatility of the base station transmission power as the estimated proportion over a predetermined time period.

6. (Original) The apparatus as claimed in claim 5, wherein said packet-switching-call-proportion estimating unit obtains a variance as a measure of said volatility.

7. (Original) The apparatus as claimed in claim 5, further comprising

a threshold computation unit which computes the threshold concerning a present instant based on the average of past samples, the measured volatility, and the threshold concerning a previous instant.

8. (Original) The apparatus as claimed in claim 5, further comprising

a threshold computation unit which computes the threshold concerning a present instant by adjusting the threshold concerning a previous instant in response to the measured volatility and by placing the threshold concerning the present instant within a tolerance range if the threshold concerning the present instant falls outside a tolerance range.

9. (Original) The apparatus as claimed in claim 5, further comprising:

a memory unit which stores therein a table of volatilities and associated thresholds; and

a threshold computation unit which obtains the threshold by referring to the table and finding in the table a threshold associated with the volatility measured by said packet-switching-call-proportion estimating unit.

10. (Original) The apparatus as claimed in claim 5, further comprising

a threshold computation unit which determines the threshold by performing a statistical test based on the average obtained by averaging unit and the volatility measured by said packet-switching-call-proportion estimating unit, such that a possibility of the base station transmission power exceeding a first predetermined percentage is adjusted to a second predetermined percentage.

11. (Original) The apparatus as claimed in claim 2, further comprising

a threshold computation unit which determines the threshold concerning a present instant by adjusting the threshold concerning a previous instant in response to whether compression is present or absent in multiplexing base-band signals.

12. (Original) The apparatus as claimed in claim 1, further comprising

a peak-hold unit which obtains a peak of the base station transmission power within a predetermined period, wherein said call admission check unit determines whether to admit the call by comparing the threshold with a sum of the peak and transmission power required for the call.

13. (Currently Amended) A base station which checks admission of received calls for providing communication services to a plurality of users, comprising a call admission check unit which determines whether to admit a call in response to reception of the call based on a threshold, the determination being made by comparing a value associated with past samples of base station transmission power with the threshold while taking into account

transmission power required for the call. ~~that reflect history of transmission power of said base station.~~